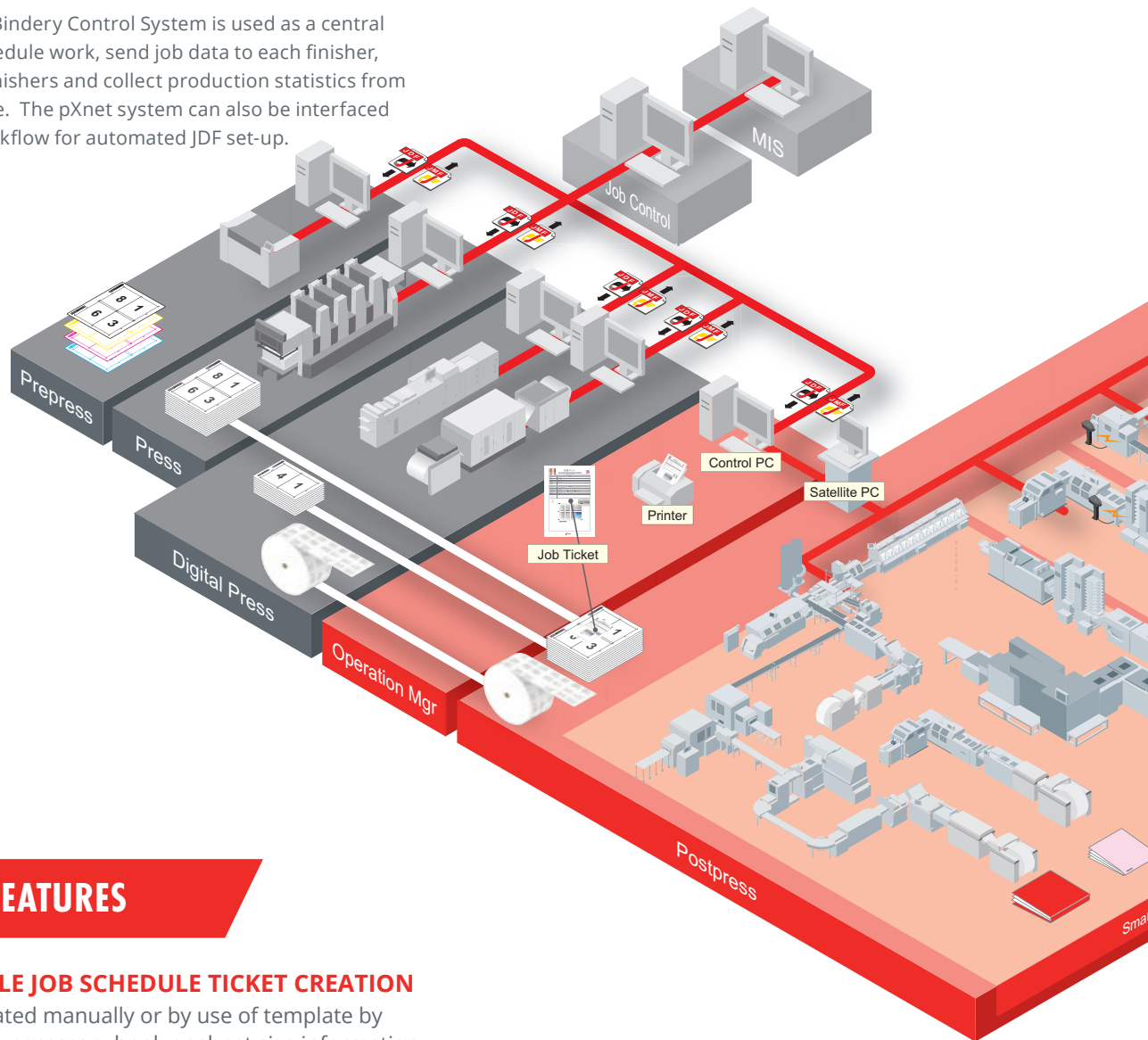# Horizon

BINDERY CONTROL SYSTEM

pXnet

Manage your bindery with pXnet

CONNECTED PRODUCTION WORKFLOW

pXnet brings efficiency and value in high-mix/low-volume production environments where frequent job changeovers are needed.

The Horizon pXnet Bindery Control System is used as a central control point to schedule work, send job data to each finisher, monitor status of finishers and collect production statistics from finishers in real-time. The pXnet system can also be interfaced with an existing workflow for automated JDF set-up.

MIS

Job Control

Prepress

Press

Control PC

Satellite PC

Printer

Job Ticket

Digital Press

Operation Mgr

Postpress

Sma...

ADVANCED FEATURES

EASY AND SIMPLE JOB SCHEDULE TICKET CREATION
- Jobs can be created manually or by use of template by simply input the necessary book or sheet size information. A drag-and-drop system simplifies scheduling.
- Input of job creation data is automated when the system is connected to a JDF workflow.
- Any job can be saved as a template for easy recall of recurring or specialized jobs.

SUPPORTING PRODUCTION MANAGEMENT
- pXnet lets you easily schedule jobs to specific finishing devices, and lets you know when you need to split production between finishing devices.
- Scheduling equipment by shift or changing shifts are easy to do with the drag and drop operation.
- An Operator ID can be entered to recognize who finished the job and to analyze shift efficiency.
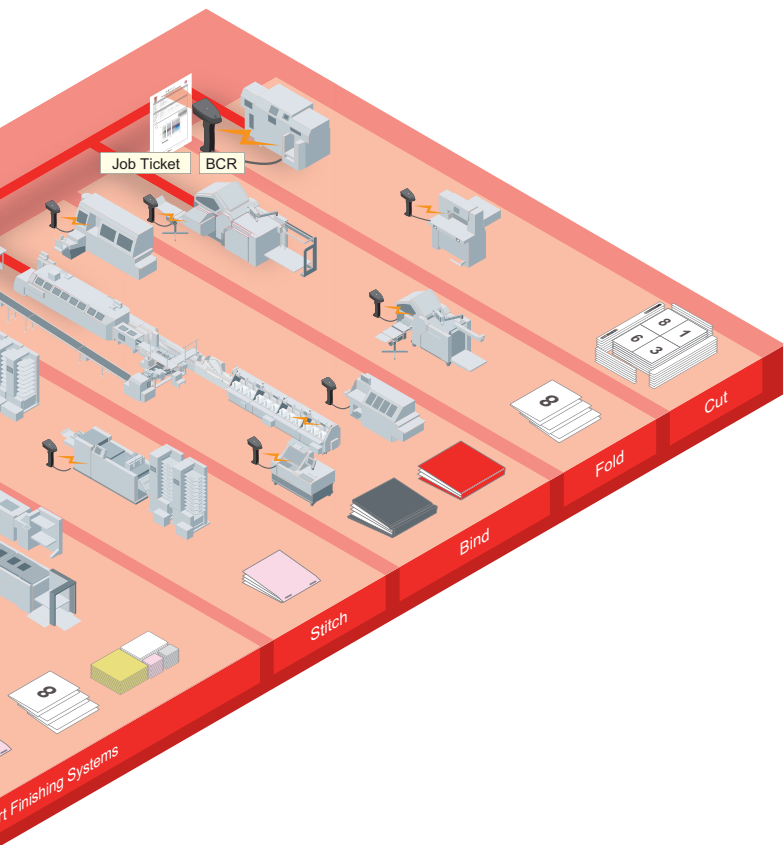
JOB TICKET STYLE SCHEDULING
- The pXnet System creates a unique ID code for each job and issues a custom barcoded job ticket.
- System sets up instantly by scanning the barcode on the job ticket with the barcode reader which is attached to the finisher.
- The job ticket includes a thumbnail of the actual printed image, indicating cutting order, sheet loading direction and finishing profile for easy set up and operation.

REAL TIME JOB MONITORING
- The Job state of all pXnet-linked machines can be monitored in real time on the PC monitor.
- The screen provides complete status and visibly on work pending, work in progress and work completed.

BENEFITS FROM IMPLEMENTING HORIZON PXNET

- Bindery managers will see work-in-progress in real-time, to make informed decisions on scheduling, staff planning, and equipment utilization. When pXnet is integrated upstream, this data is also visible to customer service, estimating, production planning, and management.

- pXnet uses a simple, graphical drag-and-drop system for job planning and scheduling that alerts you to potential missed deadlines, so you can balance the work or schedule additional shifts as needed.

- All jobs are saved within pXnet, so you can easily recall recurring jobs for quick make-readies. You can also review previous jobs to answer questions or resolve problems.

- pXnet identifies bindery bottlenecks and collects real-time shop floor data, providing accurate costing and pricing to improve your bottom line and streamline your business.

- The pXnet system brings automation, efficiency, and accuracy to your production processes, with even greater gains when implementing a complete JDF workflow.

ERROR RECORDS AND MAINTENANCE

- The pXnet stores error records that record equipment condition. Error details can be viewed on-screen.

- pXnet can be set up to indicate when wear parts may need checking, maintenance or replacing. It can also be set up to alert the operator when consumables like stitching wire or adhesive may need replenishment.

JDF COMPATIBILITY

- The pXnet can be enhanced with JDF allowing postpress management or JDF workflow formulation through MIS, prepress, press and postpress.

PC REQUIREMENTS

	CLIENT PC	SERVER PC
PC	Core i3 Processor o r higher is recommended	
OS	Windows 8*, Windows 10*, Windows Server 2012, Windows Server 2016, Windows Server 2019 *x64 is recommended (pXnet can be operated on x86 but database soft is x64 only.)	
Memory	Windows 8, Windows 10: 2 GB or more (4 GB or more is recommend)	Windows 8: 3 GB or more (6 GB or more is recommend) Windows 10: 4 GB or more (8 GB or more is recommend)
	Windows Server 2016, Windows Server 2019: 4 GB or more (8 GB or more is recommended)	
Hard Disk	Disk space 5 GB or more	Disk space 120 GB or more
Media Drive	DVD-ROM drive	
Display	Resolution 1,280 x 1,024 or more	
Others	Oracle client software (12C or higher) is required for Database.	Oracle (12C or higher) is required for Database.
	-	SQL Server 2016 or 2017 is required.
		Adobe Acrobat DC or higher is required to extract images from PDF file.

MORE AT
HORIZON.CO.JP